

**DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY**

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**November 7, 2016****NOTICE****To:** All Interested Parties**Subject:** Biannual Report of Beverage Container Sales, Returns, Redemption, and Recycling Rates

Public Resources Code Section 14551 requires the Department of Resources Recycling and Recovery (CalRecycle) to report biannually on the redemption and recycling rates for each six-month period within 130 days of the end of that period. Enclosed, please find the Biannual Report of Redemption and Recycling Rates for the six-month period of January through June 2016.

The beverage container recycling rate for all materials during the January through June 2016 period is 86 percent. Material specific recycling rates are as follows: Aluminum 96 percent, glass 78 percent, #1 PET 83 percent, #2 HDPE 69 percent, #3 PVC 26 percent, #4 LDPE 2 percent, #5 PP 7 percent, #6 PS 22 percent, #7 Other 8 percent, and Bimetal 10 percent.

The recycling rate is the number of CRV beverage containers redeemed divided by the number of CRV beverage containers sold. Sold container counts are derived from reports received by CalRecycle directly from distributors whereas recycled container counts are derived from the redemption weight (from shipping reports) multiplied by the container per pound rate.

Please note that the recycling and redemption rates in the Biannual Report are calculated based on a two-month lag on containers sold to account for the time between when a beverage is sold and when it is returned. On the other hand, the Quarterly Report on the Status of the Beverage Container Recycling Fund, does not include this two-month lag. The Quarterly report presents a month-to-month calculation, meaning that sold beverage containers in one month are calculated against containers returned that same month. This difference is the primary factor in any difference between the sales and returns numbers in the Biannual Report compared to the numbers in the Quarterly Report.

If you have any questions about this report, please contact me at (916) 323-4248.

James Nachbaur  
Assistant Director  
for Recycling

Enclosure



**Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates**

ALUMINUM	REDEMPTION	RECYCLING	SALES *	RECYCLED	REFILLABLE	POSTFILLED
Jan - June 2016	96	96	3,709,193,556	3,575,720,399	0	109,885,014
July - Dec 2015	88	88	4,464,622,288	3,907,415,144	0	119,601,958
Jan - June 2015	97	97	3,833,131,749	3,716,098,793	0	94,138,669
July - Dec 2014	93	93	4,474,633,933	4,157,165,609	0	131,399,522
Jan - June 2014	100	100	3,792,519,524	3,807,624,029	0	84,893,360
<b>GLASS</b>						
Jan - June 2016	91	78	1,478,760,608	1,150,837,526	260	252,068,071
July - Dec 2015	81	70	1,738,831,764	1,221,627,127	21,985	254,426,058
Jan - June 2015	89	76	1,541,216,339	1,167,520,067	720	267,827,090
July - Dec 2014	85	72	1,724,218,760	1,235,895,477	495	285,375,338
Jan - June 2014	97	82	1,423,887,672	1,165,039,597	36,025	272,169,765
<b>#1 PET</b>						
Jan - June 2016	83	83	4,995,578,033	4,169,311,096	0	150,309,369
July - Dec 2015	73	73	6,148,552,627	4,478,426,732	0	148,244,720
Jan - June 2015	81	81	4,811,632,011	3,907,533,647	0	168,310,959
July - Dec 2014	69	69	5,797,262,133	4,008,380,681	0	148,971,715
Jan - June 2014	72	72	4,429,974,469	3,186,740,167	0	135,284,137
<b>#2 HDPE</b>						
Jan - June 2016	308	69	118,750,484	82,352,560	0	287,573,686
July - Dec 2015	265	70	136,359,904	95,064,655	0	271,445,962
Jan - June 2015	327	78	121,146,646	95,017,034	0	306,381,243
July - Dec 2014	267	69	139,064,716	95,355,409	0	281,044,091
Jan - June 2014	280	71	133,073,810	94,907,746	0	282,009,182
<b>#3 PVC</b>						
Jan - June 2016	26	26	11,523	2,988	0	12
July - Dec 2015	42	42	12,876	5,419	0	72
Jan - June 2015	59	59	9,406	5,505	0	1
July - Dec 2014	18	17	16,047	2,750	0	197
Jan - June 2014	22	22	4,828	1,080	0	8
<b>#4 LDPE</b>						
Jan - June 2016	3	2	7,726,805	125,073	0	100,550
July - Dec 2015	12	1	10,906,688	157,146	0	1,112,550
Jan - June 2015	22	2	8,718,651	149,501	0	1,811,738
July - Dec 2014	4	2	10,765,345	174,075	0	288,201
Jan - June 2014	1	1	10,544,567	145,860	0	18,119
<b>#5 PP</b>						
Jan - June 2016	9	7	1,270,174	94,793	0	18,006
July - Dec 2015	7	5	1,560,063	82,110	0	25,108
Jan - June 2015	7	6	1,691,512	105,351	0	22,233
July - Dec 2014	10	8	1,054,141	86,295	0	19,506
Jan - June 2014	29	25	418,606	104,067	0	23,360
<b>#6 PS</b>						
Jan - June 2016	23	22	57,082,717	12,591,789	0	1,025,020
July - Dec 2015	22	22	65,326,028	14,214,565	0	908,255
Jan - June 2015	25	25	54,950,845	13,578,988	0	1,065,578
July - Dec 2014	18	18	57,309,538	10,321,761	0	597,643
Jan - June 2014	16	16	51,482,734	8,110,436	0	570,115
<b>#7 OTHER</b>						
Jan - June 2016	8	8	20,747,495	1,585,121	0	207,601
July - Dec 2015	7	7	26,022,869	1,714,586	0	171,492
Jan - June 2015	8	7	21,487,619	1,500,002	0	192,273
July - Dec 2014	3	3	51,050,791	1,573,935	0	159,188
Jan - June 2014	5	5	22,997,921	1,061,276	0	131,343
<b>BIMETAL</b>						
Jan - June 2016	12	10	22,459,482	2,214,631	0	481,921
July - Dec 2015	18	16	18,563,313	3,033,195	0	426,726
Jan - June 2015	26	24	15,241,899	3,634,861	0	524,824
July - Dec 2014	37	35	17,267,485	6,059,041	0	600,995
Jan - June 2014	17	16	16,096,149	2,517,078	0	356,205
<b>ALL MATERIALS</b>						
Jan - June 2016	90	86	10,411,580,877	8,994,835,977	260	801,669,251
July - Dec 2015	80	77	12,610,758,420	9,721,740,679	21,985	796,362,900
Jan - June 2015	89	86	10,409,226,677	8,905,143,750	720	840,274,607
July - Dec 2014	81	78	12,272,642,889	9,515,015,033	495	848,456,395
Jan - June 2014	87	84	9,881,000,280	8,266,251,335	36,025	775,455,595

**CALCULATION OF REDEMPTION AND RECYCLING RATES**

A = number of empty beverage containers returned  
 B = refillables returned  
 C = postfilled food or drink packaging containers returned  
 D = number of beverage containers sold

**Redemption Rate =**  $\frac{A + B + [C - (0.05 \times (A + B))]}{D} \times 100$   
 (The value in brackets [ ] is included only when greater than zero.)

**Recycling Rate =**  $\frac{(A+B)}{D} \times 100$

CONTAINER PER POUND RATES (CRV / POSTFILLED)	ALUMINUM	GLASS	#1 PET	#2 HDPE	#3 PVC	#4 LDPE
Jan - June 2016 (RCs Only)	28.8 / 32.6	1.90 / 0.94	21.3 / 7.2	7.2 / 5.6	11.2 / NA	41.5 / NA
CONTAINER PER POUND RATES (GRV / POSTFILLED)	#5 PP	#6 PS	#7 OTHER	BIMETAL		
Jan - June 2016 (RCs Only)	6.0 / NA	110.4 / NA	3.2 / NA	6.7 / NA		

**FOOTNOTE:**

Please note that the recycling and redemption rates in the Biannual Report are calculated based on a two-month lag on containers sold to account for the time between when a beverage is sold and when it is returned.

On the other hand, the Quarterly Report on the Status of the Beverage Container Recycling Fund, does not include this two-month lag. The Quarterly report presents a month-to-month calculation, meaning that sold beverage containers in one month are calculated against containers returned that same month. This difference is the primary factor in any difference between the sales and returns numbers in the Biannual Report compared to the numbers in the Quarterly Report